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Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601,607
Date Submitted: October 30, 2003		Filing Date	06/24/2003
(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
		Attorney Docket Number	054707-1225
Sheet	1 of 45		



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
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	A2	3,424,749		PFFENNINGER	01/28/1969	
	A3	3,501,512		WEI, ET AL.	03/17/1970	
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Examiner Signature	Date Considered
<i>[Signature]</i>	8/1/04

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Sheet	2	of	45



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		Office ³	Number ⁴	Kind Code ⁵ (if known)			

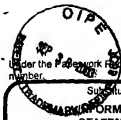
Examiner Signature	<i>Ch</i>	Date Considered	8/1/04
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Sheet	3	of	45

FOREIGN PATENT DOCUMENTS								
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		Office§	Number¶	Kind Code** (if known)				
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	A87		WO 00/58285			03/18/2000		X
	A88		WO 99/45008			09/10/1998		X
	A89		WO 99/10340			03/04/1999		X
	A90		WO 96/06846			03/07/96		X
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	A98		WO 98/29117			09/07/1998		X
	A99		WO 98/24905			11/08/1998		X
	A100		WO 98/22432			05/28/1998		X
A101		WO 98/20893			05/22/1998		X	
A102		WO 98/20862			05/22/1998		X	
A103		WO 98/20891			05/22/1998		X	
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A105		WO 96/41609			12/27/1996		X	
A106		WO 96/40633			12/19/1996		X	
A107		WO 96/33184			10/24/1996		X	
A108		WO 95/35367			12/28/1995		X	
A109		WO 95/35308			12/28/1995		X	
A110		WO 95/34303			12/21/1995		X	
A111		WO 95/24385			09/14/1995		X	
A112		WO 95/12572			05/11/1995		X	
A113		WO 95/12398			05/11/1995		X	
A114		WO 94/15900			07/21/1994		X	
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A121		WO 93/14762			05/08/1993		X	
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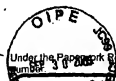
Examiner Signature	<i>ebx</i>	Date Considered	9/1/04
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Supplement to form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10601.607
Date Submitted: October 30, 2003		Filing Date	06/24/2003
(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
		Attorney Docket Number	054707-1225
Sheet	4	of	45

FOREIGN PATENT DOCUMENTS							
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		Office ³	Number ¹ Kind Code ⁴ (if known)				
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	A125		WO 92/04370		03/19/1992		X
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	A150		WO 96/20725		07/11/1996		X
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	A163	Japan	JP 03-181475		08/07/91		X

Examiner Signature	<i>ehg</i>	Date Considered	9/1/04
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
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Examiner Signature	<i>Cheng</i>	Date Considered	9/1/04
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Sheet	6	of	45	Attorney Docket Number	054707-1225

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	A180	Gold, B. et al., "Regulation of aberrant neurofilament phosphorylation in neuronal perikarya. IV. Evidence for the involvement of two signals," <u>Brain Research</u> , 1993, 626, 23-30.	
	A181	Gold, B. et al., "The immunosuppressant FK506 increases functional recovery and nerve regeneration following peripheral nerve injury," <u>Restorative Neurology and Neuroscience</u> , 1994, 6, 287-98.	
	A182	Gold, B. et al., "Multiple signals underlie the axotomy-induced up-regulation of c-JUN in adult sensory neurons," <u>Neuroscience Letters</u> , 1994, 176, 123-27.	
	A183	Gold, B. et al., "The immunosuppressant FK506 increases the rate of axonal regeneration in rat sciatic nerve," <u>J. Neuroscience</u> , 15 (1995) 7509-16.	
	A184	Hamilton, Gary S. and Steiner, Joseph P., "Neuroimmunophilin Ligands as Novel Therapeutics for the Treatment of Degenerative Disorders of the Nervous System," 1-71.	

Examiner Signature	<i>Chx</i>	Date Considered	9/1/04
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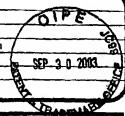
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Cursory reviewed	A185	Holt, Dennis A. et al., "Structure-activity of synthetic FKBP ligands as peptidyl-prolyl isomerase inhibitors," <i>Bioorg. Med. Chem. Lett.</i> , 1994, 4(2), 315-20.	
	A186	Iwabuchi, Tokuro et al., "Effects of immunosuppressive peptidyl-prolyl cis-trans isomerase (PPIase) inhibitors, cyclosporin A, FK506, ascomycin and rapamycin, on hair growth initiation in mouse: immunosuppression is not required for new hair growth," <i>J. Dermatol. Sci.</i> , 1995, 9, 64-69.	
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	A188	Kitamura et al., "Suppressive Effect of FK-506, a Novel Immunosuppressant, Against MPTP-Induced Dopamine Depletion in the Striatum of Young C57BL/6 Mice," <i>J. Neuroimmunology</i> , 1994, 50, 221-24.	
	A189	Lyons, W.E. et al., "Immunosuppressant FK506 promotes neurite outgrowth in cultures of PC 12 cells and sensory ganglia," <i>Proc. Nat. Acad. Sci.</i> , 1994, 91, 3191-95.	
	A190	Lyons, W.E. et al., "Neuronal Regeneration Enhances the Expression of the Immunophilin FKBP-12," <i>J. Neuroscience</i> , 1995, 15(4), 2985-94.	
	A191	Ryba et al., "Cyclosporine A Prevents Neurological Deterioration of Patients with SAH - A Preliminary Report," <i>Acta Neurochirurgica</i> , 1991, 112, 25-27.	
	A192	Shiga et al., "Cyclosporin A Protects Against Ischemia-Reperfusion injury in the Brain," <i>Brain Research</i> , 1992, 595, 145-48.	
	A193	Snyder, S. and Sabatini, D., "Immunophilins and the Nervous System," <i>Nature Medicine</i> , 1995, 1, 32-37.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601.607
Date Submitted: October 30, 2003		Filing Date	06/24/2003
(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
		Attorney Docket Number	054707-1225
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	A194	Steiner, J. et al., "High brain densities of the immunophilin FKBP colocalized with calcineurin," <i>Nature</i> , 358 (1992) 584-7.	
	A195	Steiner, J. et al., "Nonimmunosuppressive ligands for neuroimmunophilins promote nerve extension <i>in vitro</i> and <i>in vivo</i> ," <i>Society for Neuroscience Abstracts</i> , 1996, 22, 297.	
	A196	Steiner, J. et al., "Neurotrophic immunophilin ligands stimulate structural and functional recovery in neurodegenerative animal models," <i>Proc. Nat. Acad. Sci.</i> , 1997, 94, 2019-24.	
Cursor reviewed	A197	Steiner, J. et al., "Neurotrophic actions of nonimmunosuppressive analogues of immunosuppressive drugs FK506, rapamycin and cyclosporin A," <i>Nature Medicine</i> , 1997, 421-28.	
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	A199	Yamamoto, Satoshi et al., "Stimulation of Hair Growth by Topical Application of FK506, a Potent Immunosuppressive Agent," <i>J. Invest. Dermatol.</i> , 1994, 102(2), 160-64.	
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	A201	MacPherson, Chemical Abstracts, Vol. 97:88995, 1997.	
	A202	Katz, Chemical Abstracts, Vol. 127:346178, 1997.	

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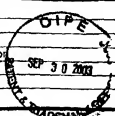
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Curatory reviewed	A203	Fernandez-Megia, Chemical Abstracts, Vol. 127:66115, 1997.	
	A204	Chen, Chemical Abstracts, Vol. 127:354894, 1997.	
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	A211	MacPherson, Chemical Abstracts, Vol. 95:86473.	

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	A212	Ishida, Chemical Abstracts, Vol. 124:20624, 1995.	
	A213	Reilly, Chemical Abstracts, Vol. 123:8863, 1995.	
	A214	Takeuchi, Chemical Abstracts, Vol. 124:20631, 1995.	
	A215	Takeuchi, Chemical Abstracts, Vol. 122:234609, 1995.	
	A216	MacPherson, Chemical Abstracts, Vol. 122:314456, 1995.	
	A217	Fernandez—Megia, Chemical Abstracts, Vol. 122:31909, 1995.	
	A218	Kimura, Chemical Abstracts, Vol. 123:9413, 1995.	
	A219	Matsubara, Chemical Abstracts, Vol. 121:275875, 1994.	
	A220	Teramoto, Chemical Abstracts, Vol. 119:140193, 1993.	

Cursory reviewed

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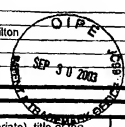
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		Filing Date	06/24/2003
		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
		Attorney Docket Number	054707-1225
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Cursory reviewed	A221	Okabe, Chemical Abstracts, Vol. 120:260511, 1994.	
	A222	Manickum, Chemical Abstracts, Vol. 122:159795, 1995.	
	A223	Yamanaka, Chemical Abstracts, Vol. 93:109096, 1993.	
	A224	Fuji, Chemical Abstracts, Vol. 93:10520, 1993.	
	A225	Yamanaka, Chemical Abstracts, Vol. 93:1516, 1993.	
	A226	Yu, Chemical Abstracts, Vol. 119:285511, 1993.	
	A227	Na, Chemical Abstracts, Vol. 122:81924, 1995.	
	A228	Cserhati, Chemical Abstracts, Vol. 119:151373, 1993.	
	A229	Toyooka, Chemical Abstracts, Vol. 120:26665, 1994.	

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Curtesy reviewed	A230	Gamo, Chemical Abstracts, Vol. 117:211689, 1992.	
	A231	Ishikawa, Chemical Abstracts, Vol. 117:251242, 1992.	
	A232	Hayakawa, Chemical Abstracts, Vol. 62:70434, 1992.	
	A233	Moss, Chemical Abstracts, Vol. 118:7348, 1993.	
	A234	O'Connell, Chemical Abstracts, Vol. 117:111216, 1992.	
	A235	Sardina, Chemical Abstracts, Vol. 117:234474, 1992.	
	A236	Ibrahim, Chemical Abstracts, Vol. 116:174748, 1992.	
	A237	Yamanaka, Chemical Abstracts, Vol. 116:83541, 1992.	
	A238	Ito, Chemical Abstracts, Vol. 115:49085, 1991.	

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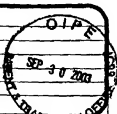
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 30, 2003 (use as many sheets as necessary)		Application Number	10/601,607
		Filing Date	08/24/2003
		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
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		Attorney Docket Number	054707-1225



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Cursory reviewed	A239	Hawayaka, Chemical Abstracts, Vol. 91:5253, 1991.	
	A240	Hawayaka, Chemical Abstracts, Vol. 91:5253, 1991.	
	A241	Csorhati, Chemical Abstracts, Vol. 115:173812, 1991.	
	A242	Varga, Chemical Abstracts, Vol. 117:277, 1992.	
	A243	Garnoh, Chemical Abstracts, Vol. 114:220443, 1991.	
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	A246	Tomari, Chemical Abstracts, Vol. 90:61403, 1990.	
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Cursory reviewed	A248	Collins, Chemical Abstracts, Vol. 113:96679, 1990.	
	A249	Zhou, Chemical Abstracts, Vol. 113:152181, 1990.	
	A250	Simmaco, Chemical Abstracts, Vol. 113:55213, 1990.	
	A251	Mostovnikov, Chemical Abstracts, Vol. 114:55033, 1991.	
	A252	Ejima, Chemical Abstracts, Vol. 113:78788, 1990.	
	A253	Fujiwawa, Chemical Abstracts, Vol. 112:35975, 1990.	
	A254	Tomari, Chemical Abstracts, Vol. 112:179020, 1990.	
	A255	Iwakuma, Chemical Abstracts, Vol. 89:66056, 1989.	
	A258	Lubell, Chemical Abstracts, Vol. 111:115731, 1989.	

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Cursory reviewed	A257	Langlois, Chemical Abstracts, Vol. 112:178424, 1990.	
	A258	Nishi, Chemical Abstracts, Vol. 112:131596, 1990.	
	A259	Otto, Chemical Abstracts, Vol. 115:136711, 1991.	
	A260	Belenkii, Chemical Abstracts, Vol. 111:146061, 1989.	
	A261	Ryan, Chemical Abstracts, Vol. 110:147868, 1989.	
	A262	Hayakawa, Chemical Abstracts, Vol. 110:8191, 1989.	
	A263	Takemura, Chemical Abstracts, Vol. 11:75160, 1989.	
	A264	Hayakawa, Chemical Abstracts, Vol. 109:211064, 1988.	
	A265	Tagawa, Chemical Abstracts, Vol. 88:67487, 1988.	

Examiner Signature		Date Considered	9/1/04
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PTO SEP 30 2003 STAMPA	Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 30, 2003 (use as many sheets as necessary)		Complete if Known		
	Application Number	10/601,607			
	Filing Date	06/24/2003			
	First Named Inventor	Gregory S. Hamilton			
	Group A1 Unit	Previously 1625			
	Examiner Name	Unassigned			
Serial Number	16	of	45	Attorney Docket Number	054707-1225

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
Cursory reviewed	A266	Bellatier, Chemical Abstracts, Vol. 88:21212, 1988.		
	A267	Bhushan, Chemical Abstracts, Vol. 110:131593, 1989.		
	A268	Shono, Chemical Abstracts, Vol. 109:118111, 1988.		
	A269	McClung, Chemical Abstracts, Vol. 109:69689, 1988.		
	A270	Tagawa, Chemical Abstracts, Vol. 107:176302, 1987.		
	A271	Atarashi, Chemical Abstracts, Vol. 108:131711, 1988.		
	A272	Reitsma, Chemical Abstracts, Vol. 106:112841, 1987.		
	A273	Siegel, Chemical Abstracts, Vol. 108:197550, 1988.		
	A274	Kasai, Chemical Abstracts, Vol. 107:129386, 1987.		

Examiner Signature		Date Considered	9/1/04
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	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601,607
	Date Submitted: October 30, 2003		Filing Date	06/24/2003
	(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
	17	of 45	Group Art Unit	Previously 1625
			Examiner Name	Unassigned
			Attorney Docket Number	054707-1225

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Cursory reviewed	A275	Imai, Chemical Abstracts, Vol. 107:168033, 1987.		
	A276	Takeuchi, Chemical Abstracts, Vol. 106:205042, 1988.		
	A277	Hayakawa, Chemical Abstracts, Vol. 106:119895, 1987.		
	A278	Belattar, Chemical Abstracts, Vol. 106:219573, 1987.		
	A279	Takeda, Chemical Abstracts, Vol. 105:153560, 1986.		
	A280	Iwakuma, Chemical Abstracts, Vol. 86:186669, 1986.		
	A281	Wada, Chemical Abstracts, Vol. 86:3609, 1986.		
	A282	Moyer, Chemical Abstracts, Vol. 106:18305, 1987.		
	A283	Zaher, Chemical Abstracts, Vol. 107:7583, 1987.		

Examiner Signature		Date Considered	3/1/08
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		Filing Date	06/24/2003
		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
Sheet 18 of 45	Attorney Docket Number	054707-1225	

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Cursory reviewed	A284	Levina, Chemical Abstracts, Vol. 106:134510, 1987.	
	A285	Voigt, Chemical Abstracts, Vol. 107:97096, 1987.	
	A286	Voigt, Chemical Abstracts, Vol. 106:176825, 1987.	
	A287	Bianchi-Bosisio, Chemical Abstracts, Vol. 104:164657, 1986.	
	A288	Shimizu, Chemical Abstracts, Vol. 105:71819, 1986.	
	A289	Takeda, Chemical Abstracts, Vol. 104:109698, 1986.	
	A290	Iwakuma, Chemical Abstracts, Vol. 104:88453, 1986.	
	A291	Cupps, Chemical Abstracts, Vol. 103:178594, 1985.	
	A292	Maeda, Chemical Abstracts, Vol. 103:123873, 1985.	

Examiner Signature	<i>ee</i>	Date Considered	5/1/04
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	A293	Muramoto, Chemical Abstracts, Vol. 103:88190, 1985.	
	A294	Liao, Chemical Abstracts, Vol. 103:101248, 1985.	
	A295	Barluenga, Chemical Abstracts, Vol. 104:50514, 1988.	
	A296	Wada, Chemical Abstracts, Vol. 101:151603, 1984.	
	A297	Maurer, Chemical Abstracts, Vol. 100:86080, 1984.	
	A298	Clark, Chemical Abstracts, Vol. 100:156954, 1984.	
	A299	Miyaguchi, Chemical Abstracts, Vol. 101:226284, 1984.	
	A300	Fujisawa, Chemical Abstracts, Vol. 100:120622, 1984.	
	A301	Yoshihara, Chemical Abstracts, Vol. 99:23012, 1983.	

Examiner Signature <i>eb</i>	Date Considered 9/1/04
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Sheet	20	of	45



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Cursory reviewed	A302	Sakurai, Chemical Abstracts, Vol. 98:10774, 1983.	
	A303	Condon, Chemical Abstracts, Vol. 96:97142, 1982.	
	A304	Koroleva, Chemical Abstracts, Vol. 97:145238, 1982.	
	A305	Ryan, Chemical Abstracts, Vol. 96:143321, 1982.	
	A306	Voelter, Chemical Abstracts, Vol. 97:24249, 1982.	
	A307	Evans, Chemical Abstracts, Vol. 95:24122, 1981.	
	A308	El-Naggar, Chemical Abstracts, Vol. 96:163157, 1982.	
	A309	Kyowa, Chemical Abstracts, Vol. 94:208700, 1981.	
	A310	Kyowa, Chemical Abstracts, Vol. 96:56735, 1981.	

Examiner Signature	<i>clx</i>	Date Considered	9/1/04
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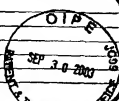
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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Sheet 21	of 45		

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Cursors reviewed	A311	Uchiyama, Chemical Abstracts, Vol. 93:145695, 1980.	
	A312	Tsuruta, Chemical Abstracts, Vol. 92:141802, 1980.	
	A313	Petrillo, Chemical Abstracts, Vol. 90:138199, 1979.	
	A314	Busson, Chemical Abstracts, Vol. 89:215152, 1978.	
	A315	El-Naggar, Chemical Abstracts, Vol. 90:122044, 1979.	
	A316	El-Naggar, Chemical Abstracts, Vol. 89:110311, 1978.	
	A317	Bongiovanni, Chemical Abstracts, Vol. 90:35753, 1979.	
	A318	Karger, Chemical Abstracts, Vol. 90:147896, 1979.	
	A319	Metrione, Chemical Abstracts, Vol. 89:180326, 1978.	

Examiner Signature <i>clg</i>	Date Considered 9/1/04
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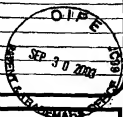
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Sheet 22	of 45		



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Cursory reviewed	A320	Klimek, Chemical Abstracts, Vol. 93:72234, 1980.	
	A321	El-Naggar, Chemical Abstracts, Vol. 88:121704, 1978.	
	A322	Kusch, Chemical Abstracts, Vol. 89:2490, 1978.	
	A323	Mairanovskii, Chemical Abstracts, Vol. 86:140428, 1977.	
	A324	Hayes, Chemical Abstracts, Vol. 85:137108, 1976.	
	A325	Sudlow, Chemical Abstracts, Vol. 86:37492, 1977.	
	A326	Klimek, Chemical Abstracts, Vol. 89:103031, 1978.	
	A327	Klimek, Chemical Abstracts, Vol. 89:102994, 1978.	
	A328	Henry, Chemical Abstracts, Vol. 84:31125, 1976.	

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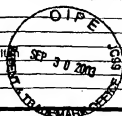
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		Filing Date	06/24/2003
		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
Sheet 23 of 45	Attorney Docket Number	054707-1225	



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	A329	Miyoshi, Chemical Abstracts, Vol. 83:193088, 1975.	
	A330	Fujii, Chemical Abstracts, Vol. 83:43713, 1975.	
	A331	Sudlow, Chemical Abstracts, Vol. 84:69223, 1976.	
	A332	Wyszynski, Chemical Abstracts, Vol. 84:173364, 1976.	
	A333	El-Naggar, Chemical Abstracts, Vol. 83:43714, 1975.	
	A334	Teichgraber, Chemical Abstracts, Vol. 81:11494, 1974.	
	A335	Lapuk, Chemical Abstracts, Vol. 81:4232, 1974.	
	A336	Vigny, Chemical Abstracts, Vol. 81:74341, 1974.	
	A337	Rudinger, Chemical Abstracts, Vol. 80:48358, 1974.	

Cursory reviewed

Examiner Signature	<i>Chen</i>	Date Considered	9/1/04
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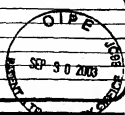
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Sheet	24	of	45



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	A339	Chimiak, Chemical Abstracts, Vol. 79:115871, 1973.	
	A340	Munier, Chemical Abstracts, Vol. 78:58763, 1973.	
	A341	Seiler, Chemical Abstracts, Vol. 76:22671, 1972.	
	A342	Wei, Chemical Abstracts, Vol. 73:3947, 1970.	
	A343	Muehle, Chemical Abstracts, Vol. 69:52175, 1968.	
	A344	Pfenninger, Chemical Abstracts, Vol. 68:95874, 1968.	
	A345	Schoellmann, Chemical Abstracts, Vol. 68:69316, 1968.	
	A346	Chen, Chemical Abstracts, Vol. 67:40166, 1967.	

Examiner Signature	<i>Chen</i>	Date Considered	9/1/04
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
Curtesy reviewed	A347	Morse, Chemical Abstracts, Vol. 64:13073d, 1966.	
	A348	Geigy, Chemical Abstracts, Vol. 64:11232h, 1966.	
	A349	Vlad, Chemical Abstracts, Vol. 64:8910b, 1966.	
	A350	Geigy, Chemical Abstracts, Vol. 64:8220d, 1966.	
	A351	Geigy, Chemical Abstracts, Vol. 64:6672h, 1966.	
	A352	Geigy, Chemical Abstracts, Vol. 64:6672d, 1966.	
	A353	Seiler, Chemical Abstracts, Vol. 62:7e, 1965.	
	A354	Dwyer, Chemical Abstracts, Vol. 59:7640c, 1964.	
	A355	Ponomareva, Chemical Abstracts, Vol. 59:6511b, 1964.	

Examiner Signature	<i>Plm</i>	Date Considered	8/1/04
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Sheet	26	of	45



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C u r s o r y r e v i e w e d	A356	Kuhn, Chemical Abstracts, Vol. 51:8006i, 1957.	
	A357	Beilstein Registration Number 89347.	
	A358	Beilstein Registration Number 89346.	
	A359	Beilstein Registration Number 89345.	
	A360	Beilstein Registration Number 36550.	
	A361	Beilstein Registration Number 30852.	
	A362	Beilstein Registration Number 30355.	
	A363	Beilstein Registration Number 27462.	
	A364	Brenner, Chemical Abstracts, Vol. 126:225550, 1997.	

Examiner Signature		Date Considered	9/1/04
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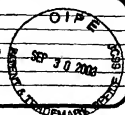
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Cursory reviewed	A365	MacPherson, Chemical Abstracts, Vol. 97:88995, 1997.	
	A366	MacPherson, Chemical Abstracts, Vol. 125:247383, 1996.	
	A367	MacPherson, Chemical Abstracts, Vol. 125:34156, 1996.	
	A368	Hanko, Chemical Abstracts, Vol. 95:110464, 1995.	
	A369	MacPherson, Chemical Abstracts, Vol. 95:88473, 1995.	
	A370	MacPherson, Chemical Abstracts, Vol. 122:314455, 1994.	
	A371	Hanko, Chemical Abstracts, Vol. 120:217671, 1993.	
	A372	Trost, Chemical Abstracts, Vol. 119:202752, 1993.	
	A373	Aahman, Chemical Abstracts, Vol. 118:80750, 1992.	

Examiner Signature	<i>Cheng</i>	Date Considered	9/1/04
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Sheet	28	of	45



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Custody reviewed	A374	Pinschmidt, Chemical Abstracts, Vol. 89:74314, 1987.	
	A375	Pinschmidt, Chemical Abstracts, Vol. 88:77582, 1987.	
	A376	Pinschmidt, Chemical Abstracts, Vol. 107:116414, 1986.	
	A377	Pinschmidt, Chemical Abstracts, Vol. 107:40526, 1986.	
	A378	Pinschmidt, Chemical Abstracts, Vol. 87:62109, 1987.	
	A379	Pinschmidt, Chemical Abstracts, Vol. 87:32322, 1987.	
	A380	Air Products and Chemicals, Chemical Abstracts, Vol. 106:177060, 1986.	
	A381	Shono, Chemical Abstracts, Vol. 99:87977, 1983.	
	A382	Kyowa Hakko Kogyo Co., Ltd., Chemical Abstracts, Vol. 94:208700, 1980.	

Examiner Signature		Date Considered	9/1/04
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Application Number	10/601,607	Filing Date	06/24/2003
First Named Inventor	Gregory S. Hamilton	Group Art Unit	Previously 1625
Examiner Name	Unassigned	Attorney Docket Number	054707-1225
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	A383	Kyowa Hakko Kogyo Co., Ltd., Chemical Abstracts, Vol. 94:156735, 1980.	
	A384	Adesogan, Chemical Abstracts, Vol. 92:110942, 1979.	
	A385	Kuwano, Chemical Abstracts, Vol. 76:100005, 1971.	
	A386	Kuwano, Chemical Abstracts, Vol. 76:113179, 1971.	
	A387	Wei, Chemical Abstracts, Vol. 73:3761, 1970.	
	A388	Wei, Chemical Abstracts, Vol. 73:3790, 1970.	
	A389	Wei, Chemical Abstracts, Vol. 73:3793, 1970.	
	A390	Wei, Chemical Abstracts, Vol. 73:3782, 1970.	
	A391	Wei, Chemical Abstracts, Vol. 71:81154, 1969.	

Cursory reviewed

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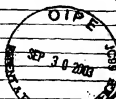
*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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	A392	Wei, Chemical Abstracts, Vol. 66:28803, 1966.	
	A393	Chemical Abstracts, Vol. 64:12677e.	
	A394	Pravda, Beilstein Registration Number 44706 (1955).	
	A395	Decrescenzo, Chemical Abstracts, Vol. 128:167263.	
	A396	Koo, Chemical Abstracts, Vol. 128:61425.	
	A397	Zollinger, Chemical Abstracts, Vol. 126:334169.	
	A398	Kojima, Chemical Abstracts, Vol. 128:101960.	
	A399	Kojima, Chemical Abstracts, Vol. 128:88717.	
	A400	Kojima, Chemical Abstracts, Vol. 128:3701.	

Cursory reviewed

Examiner Signature	<i>Ch...</i>	Date Considered	9/1/04
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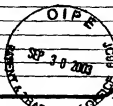
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Curtesy reviewed	A401	Nagahara, Chemical Abstracts, Vol. 97:31713.	
	A402	Harayama, Chemical Abstracts, Vol. 126:277419.	
	A403	Craig, Chemical Abstracts, Vol. 128:167337.	
	A404	Hiroi, Chemical Abstracts, Vol. 127:80935.	
	A405	Cooper, Chemical Abstracts, Vol. 127:17744.	
	A406	Littler, Chemical Abstracts, Vol. -126:157674.	
	A407	Takatani, Chemical Abstracts, Vol. 125:33679.	
	A408	Nagahara, Chemical Abstracts, Vol. 96:106515.	
	A409	Nakagawa, Chemical Abstracts, Vol. 126:30930.	

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Cursory reviewed	A410	Tingoi, Chemical Abstracts, Vol. 125:247671.	
	A411	Kojima, Chemical Abstracts, Vol. 125:316228.	
	A412	Kojima, Chemical Abstracts, Vol. 125:316349.	
	A413	Miyawaki, Chemical Abstracts, Vol. 125:316226.	
	A414	Ibuka, Chemical Abstracts, Vol. 123:169445.	
	A415	Fujii, Chemical Abstracts, Vol. 123:314472.	
	A416	Sambyal, Chemical Abstracts, Vol. 123:98549.	
	A417	Ikeuchi, Chemical Abstracts, Vol. 123:285785.	
	A418	Larock, Chemical Abstracts, Vol. 121:157491.	

Examiner Signature <i>edw</i>	Date Considered 9/1/04
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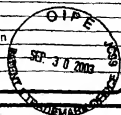
† Unique citation designation number. ‡ See attached Kinds of U.S. Patent Documents. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ** Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *** Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601,607
Date Submitted: October 30, 2003		Filing Date	06/24/2003
(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
Sheet	33 of 45	Group Art Unit	Previously 1625
		Examiner Name	Unassigned
		Attorney Docket Number	054707-1225



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Cursory reviewed	A419	Renson, Chemical Abstracts, Vol. 120:294521.	
	A420	Roos, Chemical Abstracts, Vol. 121:167365.	
	A421	Manickum, Chemical Abstracts, Vol. 122:159795.	
	A422	Nagahara, Chemical Abstracts, Vol. 120:107001.	
	A423	Knight, Chemical Abstracts, Vol. 120:54423.	
	A424	Cooper, Chemical Abstracts, Vol. 117:171212.	
	A425	Aahman, Chemical Abstracts, Vol. 118:80750.	
	A426	Cooper, Chemical Abstracts, Vol. 118:22104.	
	A427	Toshimitsu, Chemical Abstracts, Vol. 118:7085.	

Examiner Signature	<i>elg</i>	Date Considered	9/1/04
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Sheet	34	of	45



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Cursor reviewed	A428	Trybulski, Chemical Abstracts, Vol. 115:8572.	
	A429	Trybulski, Chemical: Abstracts, Vol. 91:22654.	
	A430	Merlin, Chemical Abstracts, Vol. 115:92678.	
	A431	Manickum, Chemical Abstracts, Vol. 117:47892.	
	A432	Cooper, Chemical Abstracts, Vol. 116:83582.	
	A433	Takahashi, Chemical Abstracts, Vol. 115:8231.	
	A434	Rosini, Chemical Abstracts, Vol. 115:29647.	
	A435	Alker, Chemical Abstracts, Vol. 115:29390.	
	A436	Constansa, Chemical Abstracts, Vol. 90:46562.	

Examiner Signature	<i>Ch</i>	Date Considered	9/1/04
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Sheet	35	of	45



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Curatory reviewed	A437	Trybulski, Chemical Abstracts, Vol. 114:6196.	
	A438	Langlois, Chemical Abstracts, Vol. 112:178424.	
	A439	McIntosh, Chemical Abstracts, Vol. 109:148669.	
	A440	Merlin, Chemical Abstracts, Vol. 109:170689.	
	A441	Frigola, Chemical Abstracts, Vol. 109:37817.	
	A442	Hendrie, Chemical Abstracts, Vol. 109:6914.	
	A443	Shanklin, Chemical Abstracts, Vol. 86:32892.	
	A444	Elslager, Chemical Abstracts, Vol. 101:230467.	
	A445	Kaszubska, Chemical Abstracts, Vol. 101:54832.	

Examiner Signature	<i>CL</i>	Date Considered	9/1/04
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Sheet	36	of	45



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	A446	Yamashita, Chemical Abstracts, Vol. 97:24187.	
	A447	Holland, Chemical Abstracts, Vol. 79:6866.	
	A448	Holland, Chemical Abstracts, Vol. 78:62679.	
	A449	Koehler, Chemical Abstracts, Vol. 87:134938.	
Cursory reviewed	A450	Tseng, Chemical Abstracts, Vol. 87:68603.	
	A451	Holland, Chemical Abstracts, Vol. 86:89409.	
	A452	Holland, Chemical Abstracts, Vol. 74:49083.	
	A453	Wiegrefe, Chemical Abstracts, Vol. 83:9671.	
	A454	Holland, Chemical Abstracts, Vol. 77:48046.	

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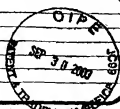
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601.607
Date Submitted: October 30, 2003		Filing Date	06/24/2003
(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
		Attorney Docket Number	054707-1225
Sheet	37	of	45



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	A455	Hite, Chemical Abstracts, Vol. 75:140649.	
	A456	Shaf'ee, Chemical Abstracts, Vol. 70:96027.	
	A457	Shaf'ee, Chemical Abstracts, Vol. 68:77541.	
	A458	CA61:16145e.	
	A459	CA60:8034h.	
	A460	304403 <u>Beilstein</u>	
	A461	292-57 <u>Beilstein</u>	
	A462	Ahman, Jens and Somfai, Peter, "Preparation and Intramolecular Radical Cyclization of Some Cyclic N-Sulfonylenamines," <u>J. Chem. Soc. Perkin Trans. 1</u> , 1994, 8, 1079-82.	
	A463	Aketa, Kohichi et al., "Stereochemical Studies. XL. A Biomimetic Conversion of L-Lysine Into Optically Active 2-Substituted Piperidines. Synthesis of D- and L-Pipecolic acid, and (S)-(+)-Conline From L-Lysine." <u>Chem Pharm. Bull.</u> , 24(4), 1976, 621-31.	

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Sheet	38	of	45



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	A464	Alfes, H. et al., "Use of Mass Spectrometry for Identifying Central Nervous System-Stimulating Drugs (Doping Agents) Through Their DANTS Derivatives." <i>Sportarzt Sportmed.</i> , 22(5), 1971, 104-5. (In German)	
	A465	Alo, Babjida I. et al., "N-(Arylsulfonyl) tetrahydropyridinium Salts: Intermediates for Multi-Ring Heterocycles. Part I. Synthesis of Hexahydropyrido[1.2-b][1,2,4]benzo-thiadiazine Dioxides," <i>J. Chem. Soc., Perkin Trans. 1</i> , 1990, 7, 1835-38.	
	A466	Alo, Babjida I. et al., "Synthesis of 1,2,4-Benzothiadiazines Via Readily Generated Iminium Ions," <i>J. Chem. Soc., Perkin Trans. 1</i> , 1986, 5, 805-08.	
	A467	Artico, Marino et al., "Synthesis of Pyrrol Aryl Sulfones Targeted at the HIV-1 Reverse Transcriptase," <i>Arch. Pharm.</i> , 1995, 328(3), 223-9.	
	A468	Baumgarten et al., Hoppe-Seyler's Z. Physiol. Chem., 1932, 209(145), 159. (Beilstein Registration No. 12360).	
	A469	H. Bayard Milne and Chi-Hsieh Pang, "Use of Benzyisulfonyl Chloride in Peptide Synthesis," <i>Chem. Abstr.</i> , 1957, 51-10375f.	
	A470	Brown, Dearg S. et al., "Substitution Reactions of 2-(Phenylsulfonyl) Piperidines and -Pyrrolidines With Carbon Nucleophiles: Synthesis of the Pyrrolidine Alkaloids Norruspoline and Ruspoline," <i>Tetrahedron</i> , (1991), 47(7), 1311-28.	
	A471	Bussan, R. and Vanderhaeghe, H., "Synthesis and Circular Dichroism of (5S)-1-Azabicyclo[3.2.0]Heptan-7-one," <i>J. Org. Chem.</i> , 43(23), 1978, 4438-41.	
	A472	Collins, Mark A. and Jones, D. Neville, "Efficient Synthesis of Bicyclo [2.2.1] Heptane Derivatives Via Stereoselective Intramolecular Michael Reactions of Vinyl Sulfones." <i>Tetrahedron</i> , 52(26), 1996, 8795-8806.	

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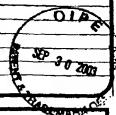
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601,607
Date Submitted: October 30, 2003		Filing Date	06/24/2003
(use as many sheets as necessary)		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
Sheet	39 of 45	Attorney Docket Number	054707-1225



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	A473	Davis, Franklin A. et al., "Chiral Sulfamidas: Synthesis of Optically Active 2-Sulfamylloxaziridines. High Enantioselectivity in the Asymmetric oxidation of sulfides to Sulfoxides." <u>J. Org. Chem.</u> 49(8), 1984, 1465-67.	
	A474	DeRuiter, Jack et al., "In Vitro Aldose Reductase Inhibitory Activity of Substituted N-Benzenesulfonyl-glycine Derivatives," <u>J. Pharm. Sci.</u> , 1987, 76(2), 149-52.	
	A475	Dokuzovic, Zdravko et al., "Asymmetric Synthesis. Metal Complex Mediated Synthesis of Chiral Glycine by Enantioselective Proton Exchange." <u>J. Am. Chem. Soc.</u> , 108(8), 1986, 2034-39.	
	A476	Ejlma, Akio et al., "Antitumor Agents. 1. Asymmetric Synthesis of (S)-Camptothecin," <u>Tetrahedron Lett.</u> , 1989, 30(20), 2639-40.	
	A477	El-Naggar, A.M. et al., "Synthesis and Biological Activity of Some New Dibenzofuran- and 7-Nitrodibenzofuran-2- Sulfonylamino Acid Derivatives," <u>Acta Pharm. Jugosl.</u> , 1985, 35(1), 15-22.	
	A478	El-Naggar, A.M. et al., "Synthesis and Biological Activity of Some New Quinoline-8-Sulfonylamino Acid and Dipeptide Derivatives," <u>Acta Pharm. Jugosl.</u> , 1983, 33(2), 103-10.	
	A479	El Naggar, A.M. et al., "Synthesis of Thiophene-2-Sulfony-Amino Acid and Dipeptide Derivatives," <u>Egypt J. Chem.</u> , 1981, 23(4), 273-9	
	A480	Fricker, Lloyd D. and Solomon, Snyder H., "Purification and Characterization of Enkephalin Convertase, an Enkephalin-Synthesizing Carboxypeptidase," <u>J. Biol. Chem.</u> , (1983), 258(18), 10950-5.	
	A481	Fujita, Tsunehisa, et al., "Free-Radical Polymerization of Maleimide Derivatives in the Presence of Chiral Substances," <u>J. Macromol. Sci., Chem.</u> , 1988, A25(3), 327-36.	

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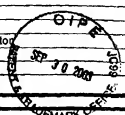
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	A482	Hosaka, Toshihiro, et al., "An Efficient Protocol for the Selective Reduction of Benzenesulfonylactam to Benzenesulfonyl Cyclic Amine," <u>Tetrahedron Lett.</u> , 1997, 38(20), 3535-38.	
	A483	Huot, Catherine and Ghosez, Leon, "Asymmetric Cyclopentanannulation of Cyclic Enones With a Chiral 1,3-Dipole Equivalent," <u>Angew. Chem.</u> , 36(6), 1997, 834-36.	
	A484	Hui, Koon-Sea et al., "Separation of Alkylamino-naphthylenesulfonyl Peptides and Amino Acids by High-Performance Liquid Chromatography. Methods for Measuring melanotropin Inhibiting Factor Breakdown," <u>J. Chromatogr.</u> , 1980, 192(2), 341-50.	
	A485	Ibrahim, T.M. et al., "Synthesis and Antimicrobial Activity of Some New 4-nitrothiophene-2-sulphonyl Amino Acid Derivatives," <u>Indian J. Heterocycl. Chem.</u> , 1993, 3(1), 31-36.	
	A486	Ibrahim, T. M. et al., "Synthesis and Antimicrobial Activity of Some New 7-Methoxy-4-Methylcoumarin-6-Sulfonylamino Acid Derivatives," <u>Proc. Indian Natl. Sci. Acad., Part A</u> (1994), 60(2), 433-39.	
	A487	Kozikowski, Alan P., et al., "Alzheimer's Therapy: An Approach to Novel Muscarinic Ligands Based Upon the Naturally Occurring Alkaloid Himbacine," <u>Bioorg. Med. Chem. Lett.</u> , 2(8), 1992, 797-802.	
	A488	Malin, D.H. et al., "Subcutaneous Injection of an Analog of Neuropeptide FF Prevents Naloxone-Precipitated Morphine Abstinence Syndrome," <u>Drug Alcohol Depend.</u> , (1995), 40(1), 37-42.	
	A489	Malaska, Micheal J. et al., "Simplified Analogs of Himbacine Displaying Potent Binding Affinity for Muscarinic Receptors," <u>Bioorg. Med. Chem. Lett.</u> , 3(6), 1993, 1247-52.	
	A490	Maekawa, K. et al., "Pesticides Derived From Amino Acids," <u>Environ. Qual. Saf., Suppl.</u> (1975), 3(Pesticides), 748-53.	

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 Date
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9/1/04

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		Filing Date	06/24/2003
		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
Sheet	41	of	45
		Attorney Docket Number	054707-1225



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Curtesy reviewed	A491	Moree, Wilna J. et al., "Synthesis of Peptidosulfonamides and Peptidosulfonamides: Peptidomimetics Containing the Sulfonamide or Sulfonamide Transition-State Isostere," <u>J. Org. Chem.</u> , 1995, 60(16), 5157-59.	
	A492	Moree, Wilna J. et al., "Exploitation of Subtilisin BPN' as Catalyst for the Synthesis of Peptides Containing Noncoded Amino Acids, Peptide Mimetics and Peptide Conjugates," <u>J. Am. Chem. Soc.</u> , 1997, 119(17), 3942-47.	
	A493	Moss, William et al., "Ketene S,S-Acetais as 1,3-Dipolarophiles Towards Azides. A New Synthetic Entry Into Cyclic Amino Acids," <u>Tetrahedron</u> , (1992), 48(36), 7551-64.	
	A494	Nagasawa, H.T. et al., "Medium Ring Homologs of Proline as Potential Amino Acid Antimetabolites," <u>J. Med. Chem.</u> , 1971, 14(6), 501-08.	
	A495	Nicolaides et al., "Modified Di- and Tripeptides of the C-Terminal Portion of Oxytocin and Vasopressin as Possible Cognition Activation Agents," <u>J. Med. Chem.</u> , 29(6), 1986, 959-71.	
	A496	Nkunya, M. H.H. and Zwanenburg, B., "Asymmetric Synthesis of α , β -Epoxy Sulfonamides (Oxiranesulfonamides)," <u>Recl. Trav. Chim. Pays-Bas</u> , 104 (10), 1985, 253-59.	
	A497	Otto, A. et al., "Detection of C-Terminal Amidated Amino Acids in Peptides by Combined Proteolysis/EI-Mass Spectrometry," <u>Pept. Proc. Eur. Pept. Symp.</u> , 20th (1989), Meeting Date 1988, 130-32.	
	A498	Perrio-Huard, Cecile et al., "Syntheses of Piperidine and Perhydroazepine Derivatives, Precursors of Two Selective Antagonists of Muscarinic M_2 Receptors: AF-DX 384 and Its Perhydroazepine Isomer," <u>J. Chem. Soc.</u> , 1(24), 1996, 2925-32.	
	A499	Pravda and Rudinger, <u>Collect. Czech. Chem. Commun.</u> , 20, (1955), 1, 6. (Beilstein Reg. No.27462).	

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	A500	Royer, J. and Husson, H. P., "2-Cyano-6-Oxazoliopidine: A Powerful Tool for the Asymmetric Synthesis of Piperidine Derivatives." <u>Janssen Chim. Acta</u> , 11(2), 1993, 3-8.	
	A501	Shono, Tatsuya et al., "Electroorganic Chemistry. 81. Anodic Oxidation of Sulfonamides and Amidophosphates," <u>J. Org. Chem.</u> , (1984), 49(20), 3711-16.	
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Cursory reviewed	A503	Takasaka, Mamoru et al., "FTIR Spectral Study of Intramolecular Hydrogen Bonding in Thromboxane A ₂ Receptor Antagonist S-145 and Related Compounds. 3. Conformation and Activity of S-145 Analogs." <u>J. Med. Chem.</u> , (1991), 34(6), 1885-91.	
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 30, 2003 (use as many sheets as necessary)		Complete If Known	
Sheet	43	of	45
Application Number		10/601,807	
Filing Date		08/24/2003	
First Named Inventor		Gregory S. Hamilton	
Group Art Unit		Previously 1625	
Examiner Name		Unassigned	
Attorney Docket Number		054707-1225	



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	†
Cursory reviewed	A508	Wohl and Schaefer, "Und Laesst Des Erhaltene Oel in Der Kaelte Stehen," <u>Thiele, Chem. Ber.</u> , 38, (1905), 4157-60.	
	A510	Zhou, Ye and Sun, Zengpei, "Liquid Chromatographic Evaluation of Chiral Derivatizing Reagents for the Resolution of Amine and Alcohol Enantiomers," <u>J. Chromatogr.</u> , (1990), 508(1), 220-04.	
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	A512	Zotlinger, Chemical Abstracts, Vol. 128:334169.	
	A513	Kojima, Chemical Abstracts, Vol. 128:101960.	
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	A517	Harayama, Chemical Abstracts, Vol. 126:277419.	

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Sheet	44	of 45



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Cursory reviewed	A518	Craig, Chemical Abstracts, Vol. 128:167337.	
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	A525	Tingoli, Chemical Abstracts, Vol. 125:247671.	
	A526	Kojima, Chemical Abstracts, Vol. 125:316228.	

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/601,607
		Filing Date	06/24/2003
		First Named Inventor	Gregory S. Hamilton
		Group Art Unit	Previously 1625
		Examiner Name	Unassigned
Date Submitted: October 30, 2003 (use as many sheets as necessary)	Attorney Docket Number	054707-1225	
Sheet 45 of 45			

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A527	Kojima, Chemical Abstracts, Vol. 125:316349.	

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